

APPROVED	O.G. FIG. No. 5	
BY	CLASS	SUBCLASS
DRAFTSMAN	530	387.3

Title: ANTI- $\alpha_v\beta_3$ RECOMBINANT HUMAN ANTIBODY
 Inventor: William D. Huse
 Serial No. 09/016,061(P-IX 1482)

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6596850

CAG GTG CAG CTG GTG GAG TCT GGG GGA GGC GTT GTG CAG CCT GGA AGG	48
Gln Val Gln Leu Val 5	
TCC CTG AGA CTC TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT AGC TAT	96
Ser Leu Arg Leu Ser 20	
GAC ATG TCT TGG GTT CGC CAG GCT CCG GGC AAG GGT CTG GAG TGG GTC	144
Asp Met Ser Trp Val 35	
GCA AAA GTT AGT AGT GGT GGT AGC ACC TAC TAT TTA GAC ACT GTG	192
Ala Lys Val Ser Ser 50	
CAG GGC CGA TTC ACC ATC TCC AGA GAC AAT AGT AAG AAC ACC CTA TAC	240
Gln Gly Arg Phe Thr 65	
CTG CAA ATG AAC TCT CTG AGA GCC GAG GAC ACA GGC GTG TAT TAC TGT	288
Leu Gln Met Asn Ser 85	
GCA AGA CAT AAC TAC GGC AGT TTT GCT TAC TGG GGC CAA GGG ACT ACA	336
Ala Arg His Asn Tyr 100	
GTG ACT GTT TCT AGT	351
Val Thr Val Ser Ser 115	

FIG. 1A

APPROVED	O.G. FIG.	
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GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA Glu Ile Val Leu Thr 5 1	48
GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Glu Arg Ala Thr 20 25	96
CTA CAC TGG TAT CAA CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC Leu His Trp Tyr Gln Gln Arg Pro Gly Ala Pro Arg Leu Leu Ile 35 40	144
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC Lys Tyr Arg Ser Gln Ser 55 50	192
AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT Ser Gly Ser Gly Thr 70 65	240
GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Ala Val 85 90	288
ACG TTC GGA GGG GGG ACC AAG GTG GAA ATT AAG Thr Phe Gly Gly Val Lys Thr Lys Ile Lys 100 105	321

FIG. 1B

APPROVED	Q. G. FIG.
BY	CLASS/SUBCLASS
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GAA GTG CAG CTG GTG GAG TCT GGG GGA GGC TTA GTG AAG CCT GGA AGG	48
Glu Val Gln Leu Val 5	
TCC CTG AGA CTC TCC TGT GCA GCC TCT GGA TTC GCT TTC AGT AGC TAT	96
Ser Leu Arg Leu Ser 20	
GAC ATG TCT TGG GTT CGC CAG ATT CCG GAG AAG AGG CTG GAG TGG GTC	144
Asp Met Ser Trp Val Arg Gln Ile 40	
GCA AAA GTT AGT AGT GGT GGT GGT AGC ACC TAC TAT TTA GAC ACT GTG	192
Ala Lys Val Ser Ser Gly 55	
CAG GGC CGA TTC ACC ATC TCC AGA GAC AAT GCC AAG AAC ACC CTA TAC	240
Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala 75	
CTG CAA ATG AGC AGT CTG AAC TCT GAG GAC ACA GCC ATG TAT TAC TGT	288
Leu Gln Met Ser Ser Ser 85	
GCA AGA CAT AAC TAC GGC AGT TTT GCT TAC TGG GGC CAA GGG ACT CTG	336
Ala Arg His Asn 100	
GTC ACT GTC TCT GCA	351
Val Thr Val Ser Ala 115	

FIG. 2A

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

GAT ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT GTG ACA CCA GGA Asp Ile Val Leu Thr ⁵ Gln Ser Pro Ala Thr ¹⁰ Leu Ser Val ¹⁵ Thr ¹⁵ Pro Gly	48
GAT AGC GTC AGT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC Asp Ser Val Ser ²⁰ Leu Ser Cys Gln Ala Ser ²⁵ Gln Ser Ile ³⁰ Ser ³⁰ Asn His	96
CTA CAC TGG TAT CAA CAA AAA TCA CAT GAG TCT CCA AGG CTT CTC ATC Leu His Trp Tyr ³⁵ Gln Gln Lys ⁴⁰ Ser His Glu Ser Pro Arg ⁴⁵ Leu Ile	144
AAG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC TCC AGG TTC AGT GGC Lys Tyr ⁵⁰ Arg Ser Gln Ser Ile ⁵⁵ Gly Ile Pro ⁶⁰ Ser Arg Phe Ser Gly	192
AGT GGA TCA GGG ACA GAT TTC GCT CTC AGT ATC AAC AGT GTG GAG ACT Ser Gly Ser Gly Thr ⁶⁵ Asp Thr ⁷⁰ Phe Ala Leu Ser ⁷⁵ Ile Asn Ser Val ⁸⁰ Glu Thr ⁸⁰	240
GAA GAT TTT GGA ATG TAT TTC TGT CAA CAG AGT GGC AGC TGG CCT CAC Glu Asp Phe Gly ⁸⁵ Met ⁹⁰ Tyr Phe Cys Gln ⁹⁵ Gln Ser Gly Ser Trp ⁹⁵ Pro His	288
ACG TTC GGA GGG ACC AAG CTG GAA ATT AAG Thr Phe Gly ¹⁰⁰ Gly ¹⁰⁵ Thr Lys Leu Glu Ile Lys	321

FIG. 2B

APPROVED	O.G. FIG.
BY	CLASS/SUBCLASS
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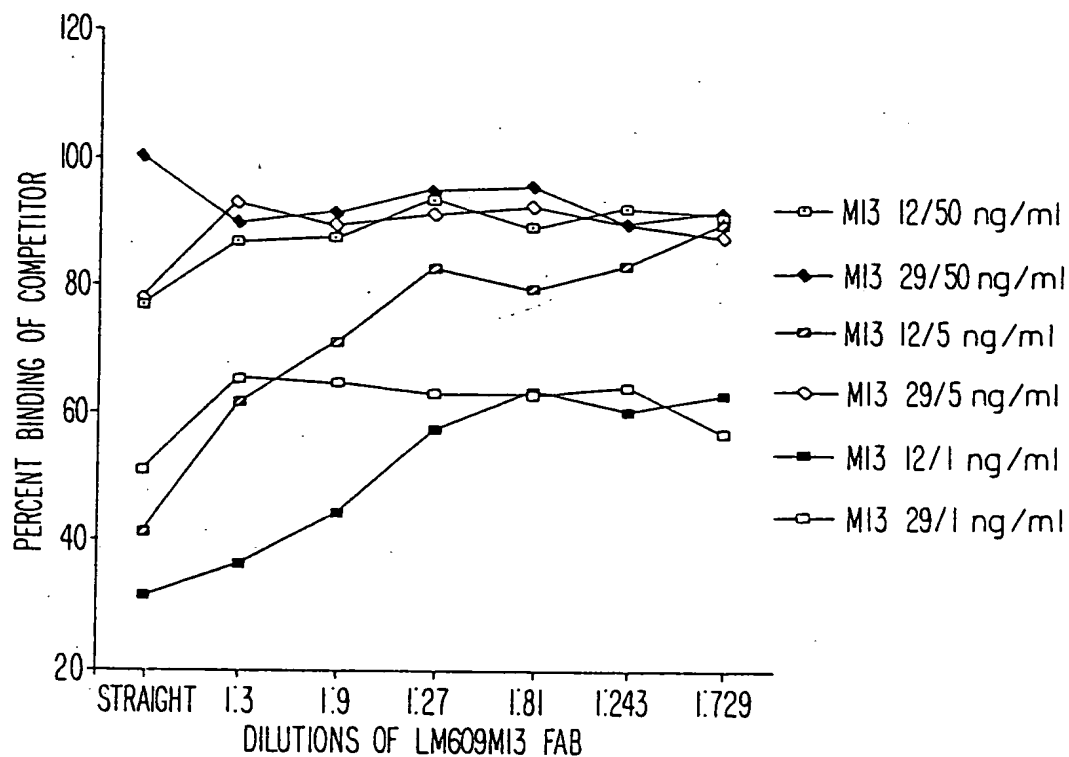


FIG. 3

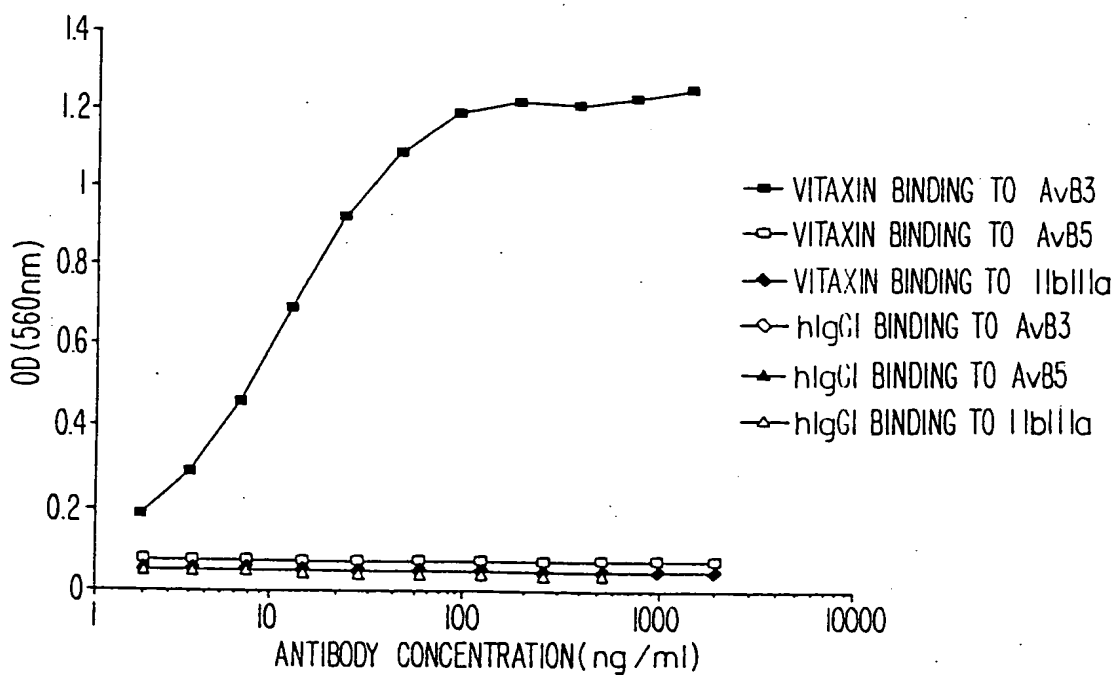


FIG. 4A

APPROVED	O.G. FIG.	
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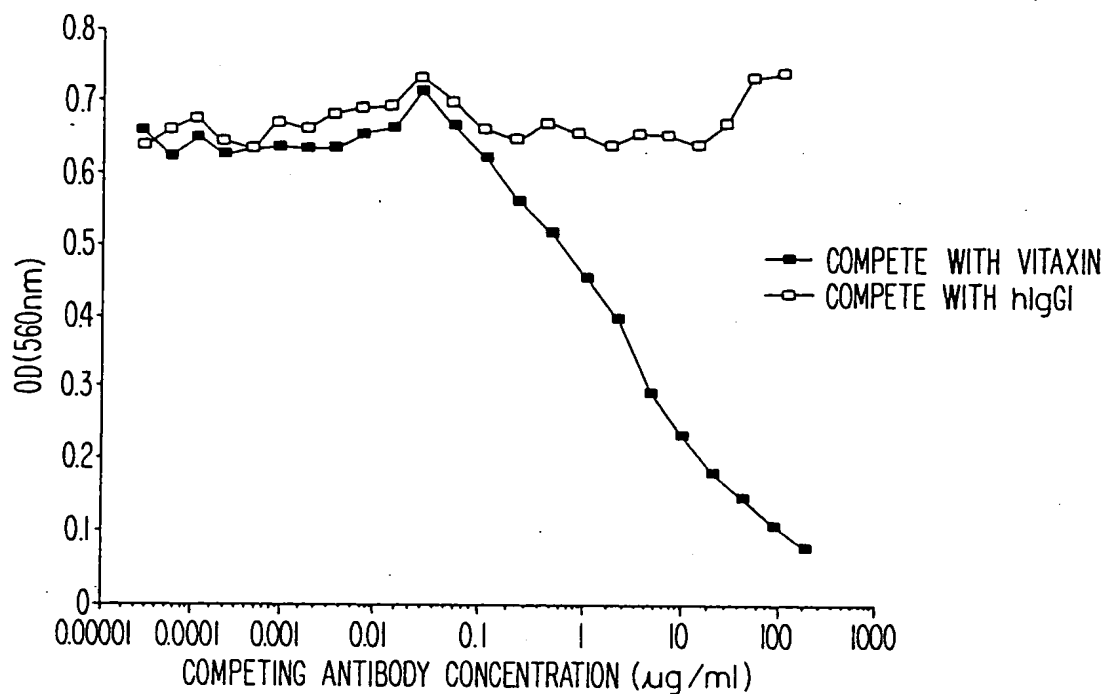


FIG. 4B

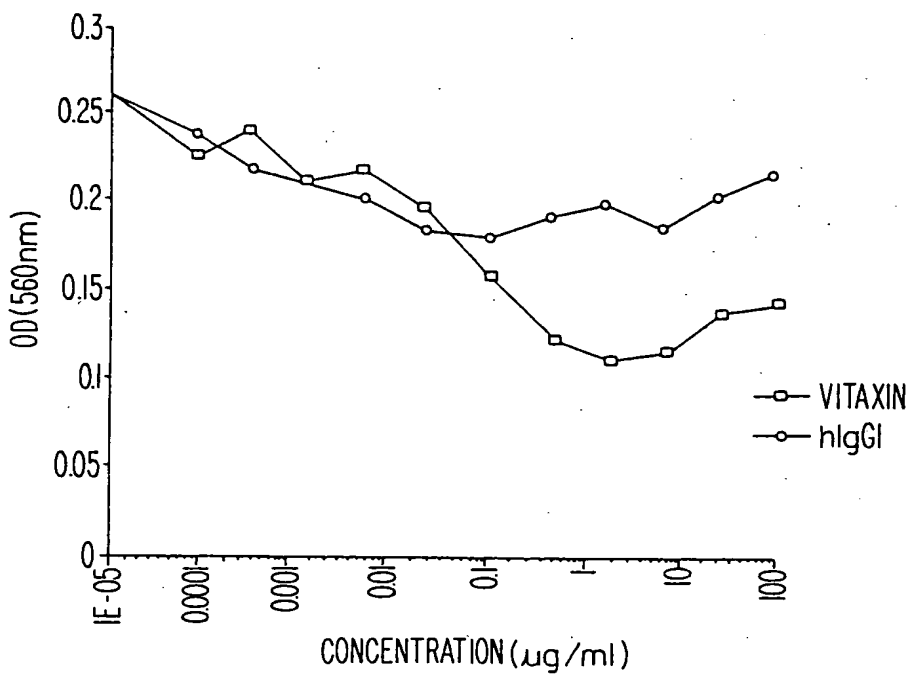


FIG. 4C

APPROVED	O. G. FIG.	
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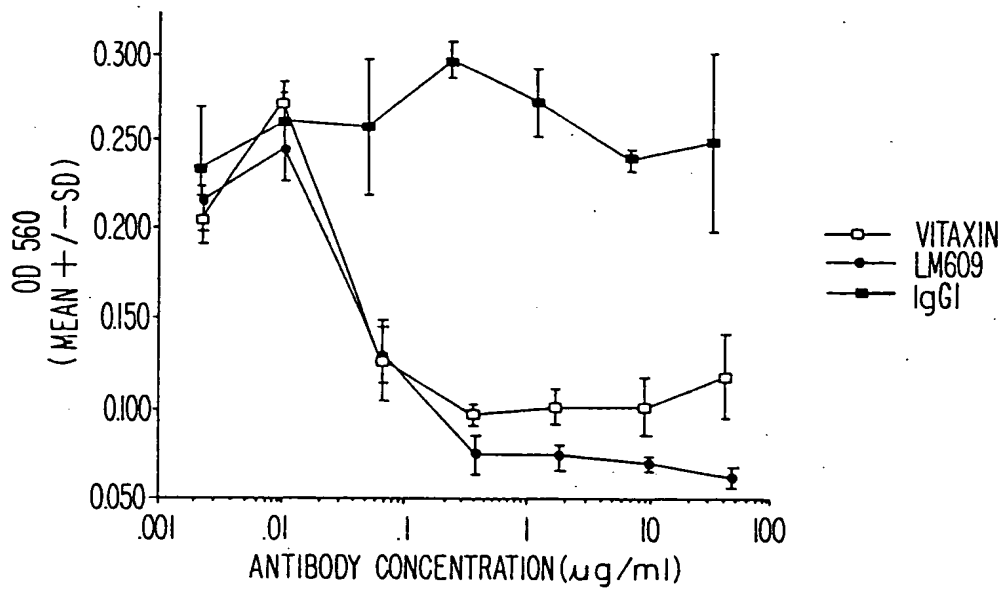


FIG. 5A

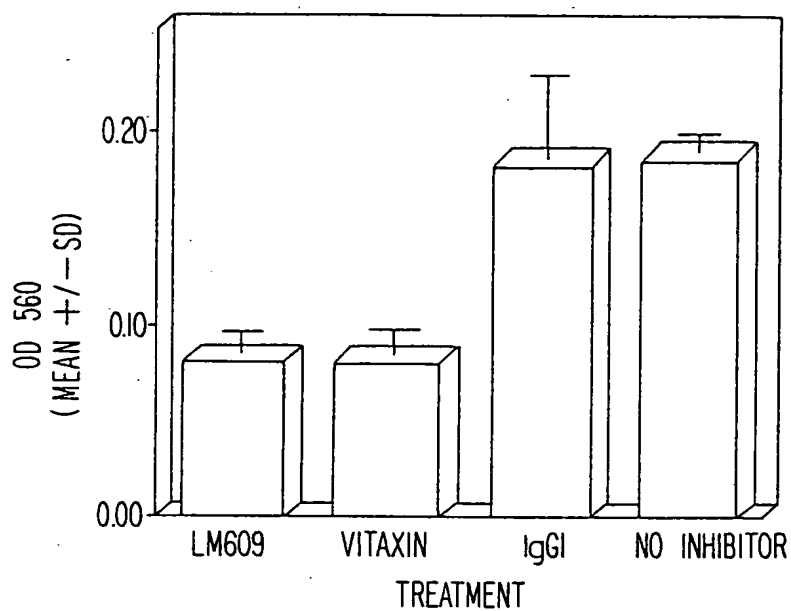


FIG. 5B

APPROVED	O. G. FIG.	
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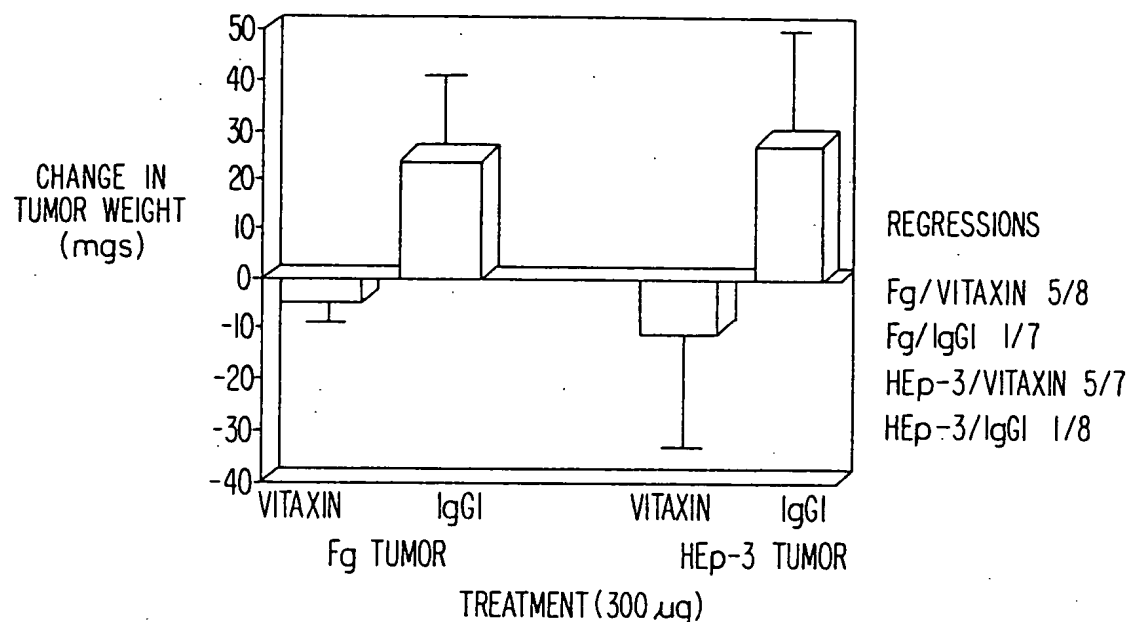


FIG. 6A

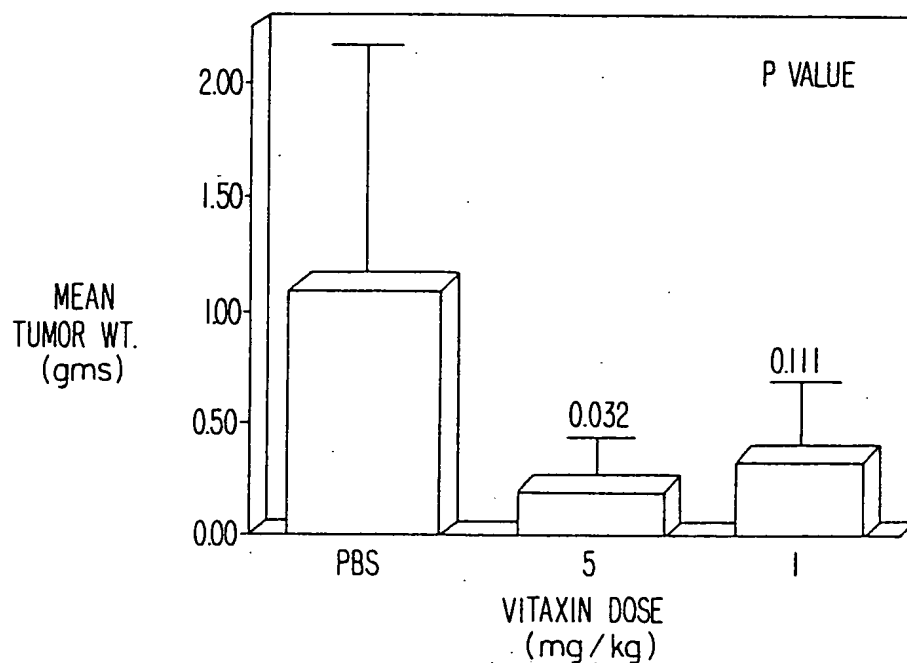


FIG. 6B

APPROVED	O. G. FIG.
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Title: ANTI- $\alpha_v\beta_3$ RECOMBINANT HUMAN ANTIBODIES...
Inventor: William D. Huse
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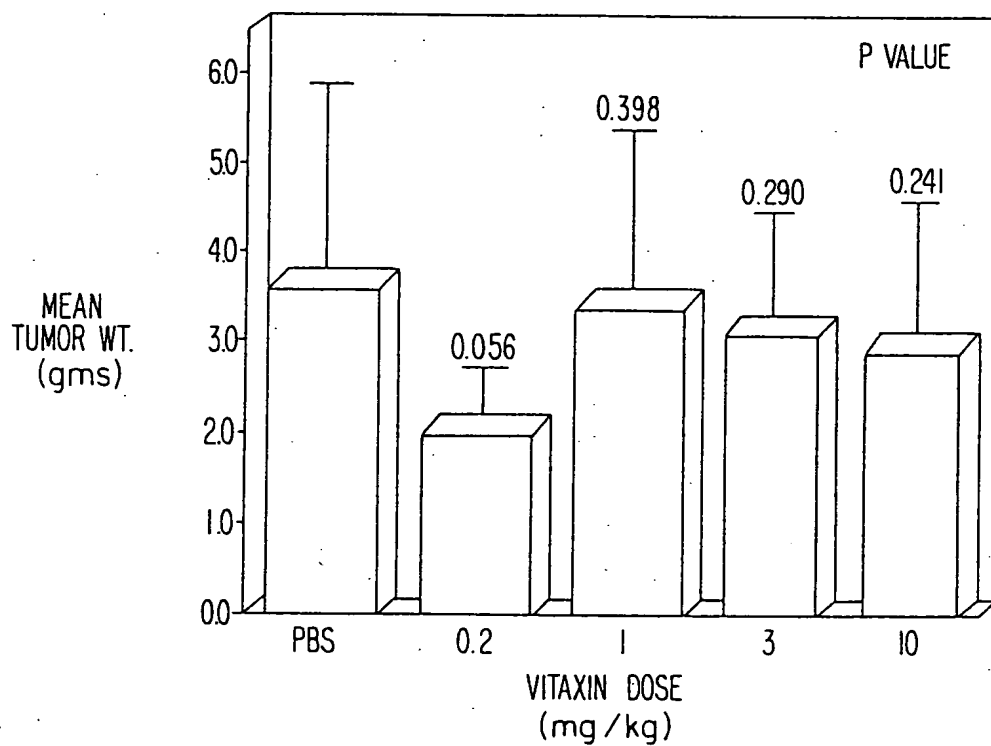


FIG. 6C

APPROVED	O. G. FIG.	
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GAG ATT GTG CTA ACT CAG TCT CCA GCC ACC CTG TCT CTC AGC CCA GGA 48
 Glu Ile Val Leu Thr 5 Thr Ala 10 Leu Ser Leu Ser Pro Gly 15

 GAA AGG GCG ACT CTT TCC TGC CAG GCC AGC CAA AGT ATT AGC AAC CAC 96
 Glu Arg Ala Thr 20 Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His 30

 CTA CAC TGG TAT CAA AGG CCT GGT CAA GCC CCA AGG CTT CTC ATC 144
 Leu His Trp Tyr 35 Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu Ile 45

 CGT/ATG TAT CGT TCC CAG TCC ATC TCT GGG ATC CCC GCC AGG TTC AGT GGC 192
 Arg/Met Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ala Arg Phe Ser Gly 50 60

 AGT GGA TCA GGG ACA GAT TTC ACC CTC ACT ATC TCC AGT CTG GAG CCT 240
 Ser Gly Ser Gly Thr 65 Thr Leu Thr Ile Ser Ser Leu Glu Pro 75 80

 GAA GAT TTT GCA GTC TAT TAC TGT CAA CAG AGT GGC AGC TGG CCT CAC 288
 Glu Asp Phe Ala Val 85 Tyr Tyr Cys Gln Gln Ser Gly Ser Trp Pro His 90 95

 ACG TTC GGA GGG GGG ACC AAG GTG GAA ATT AAG 321
 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys 100 105

FIG. 7

APPROVED	O. G. FIG.	
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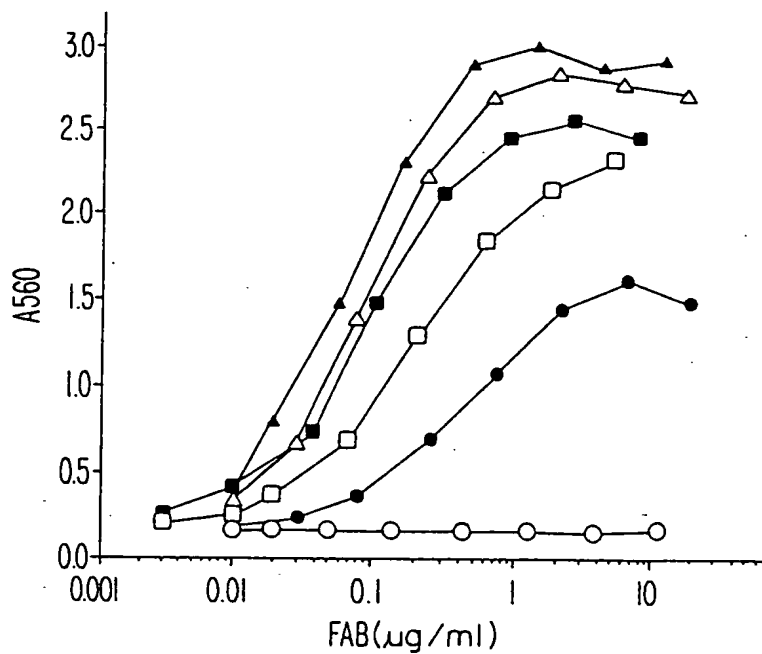


FIG. 8

- (1) WILD TYPE
- (2) F³²
- (3) N⁹²
- (4) L⁹⁶

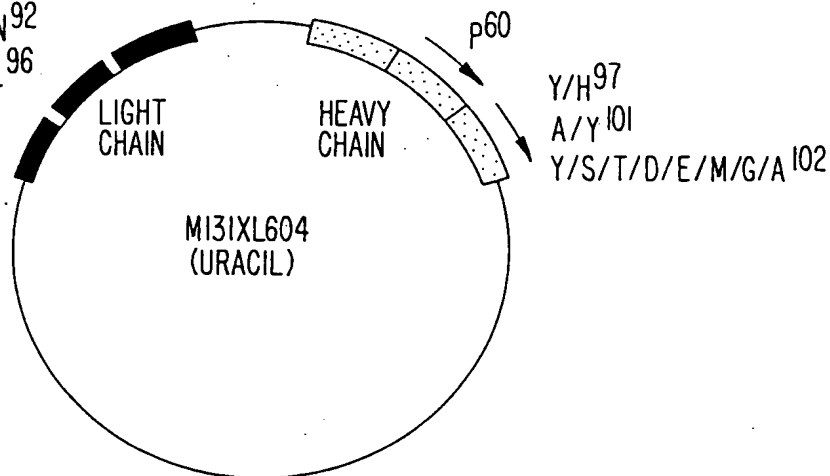


FIG. 9

APPROVED	O. G. FIG.	
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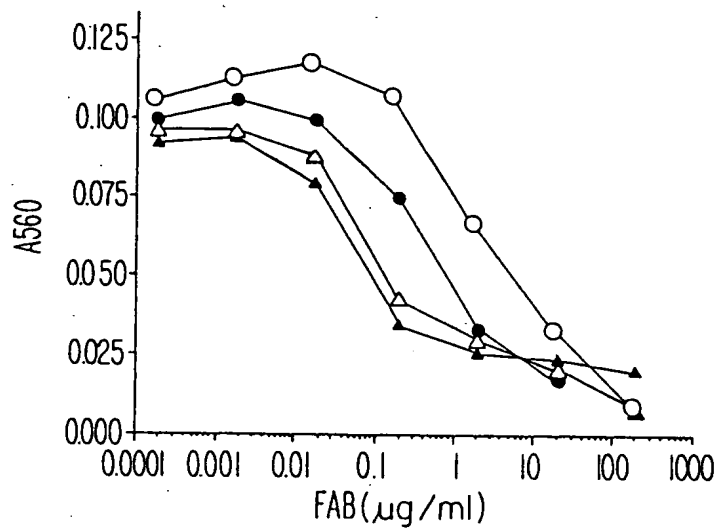


FIG. 10A

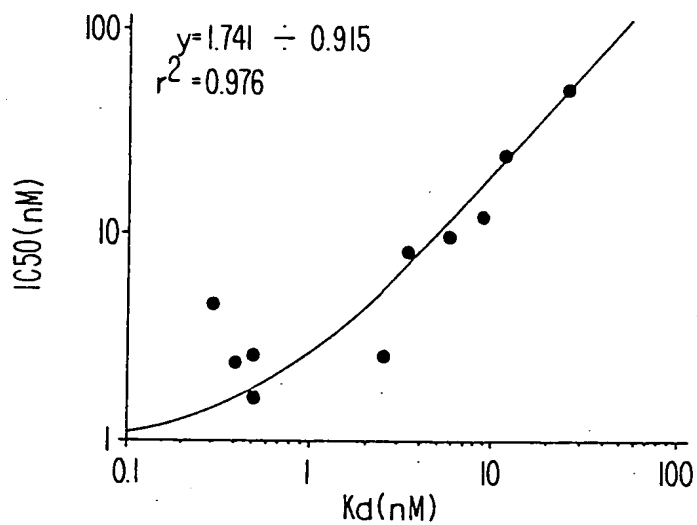


FIG. 10B

APPROVED	O G. FIG.	
BY	CLASS SUBCLASS	
DRAFTSMAN		

Title: ANTI- $\alpha_v\beta_3$ RECOMBINANT HUMAN ANTIBODIES...

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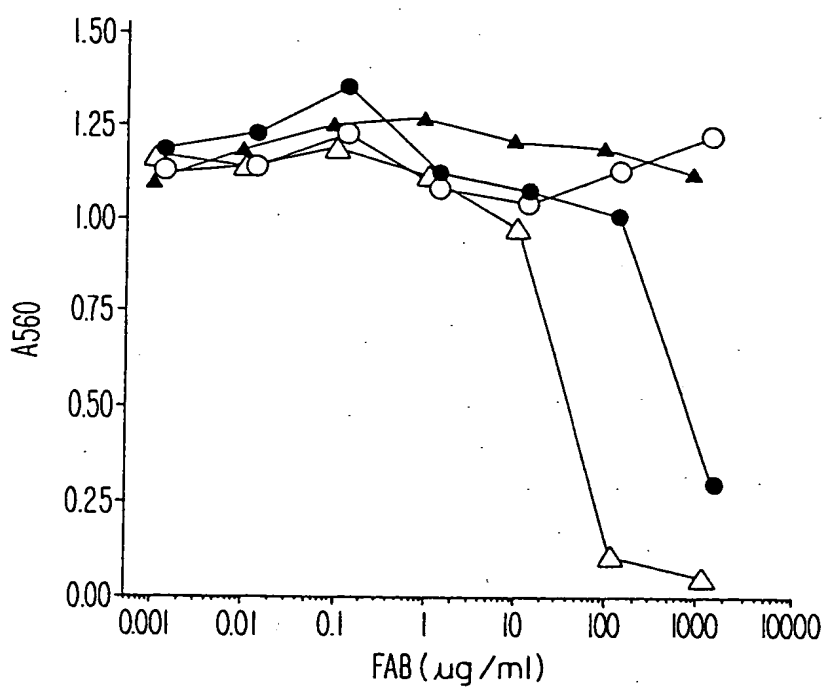


FIG. 11